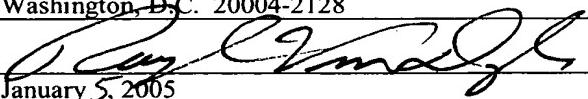


CPE
JAN 05 2005
JC88
U.S. PATENT & TRADEMARK OFFICE

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number 10/062,879
Total Number of Pages in This Submission		Filing Date January 31, 2002
		First Named Inventor COCKETT et al.
		Group Art Unit 1646
		Examiner Name Dong JIANG
		Attorney Docket Number 031896-073100 (AHP98089 D1)

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers <i>(for an Application)</i> <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Declaration and Power of Attorney <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Application Data Sheet <input type="checkbox"/> Request for Corrected Filing Receipt with Enclosures <input type="checkbox"/> A self-addressed prepaid postcard for acknowledging receipt <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Power of Attorney (previously sent on March 8, 2004)
Remarks <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees required or credit any overpayments to Deposit Account No. 19-2380 for the above identified docket number.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Raymond Van Dyke (34,746) Nixon Peabody LLP 401 9 th Street, N.W. Suite 900 Washington, D.C. 20004-2128
Signature	
Date	January 5, 2005

FEE TRANSMITTAL

FOR FY 2005 JAN 05 2005

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$) 180.00

Complete if Known

Application Number	10/062,879
Filing Date	January 31, 2002
First Named Inventor	COCKETT et al.
Examiner Name	Dong JIANG
Art Unit	1646
Attorney Docket No.	031896-073100 (AHP 98089 DI)

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None

Deposit Account:

Deposit Account Number

19-2380

Deposit Account Name

Nixon Peabody LLP

The Commissioner is authorized to: (check all that apply)

- Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	300	2001	150	Utility filing fee	
1002	200	2002	100	Design filing fee	
1003	200	2003	100	Plant filing fee	
1004	300	2004	150	Reissue filing fee	
1005	200	2005	100	Provisional filing fee	

SUBTOTAL (1) **(\$)** 0

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Fee from Extra Claims below	Fee Paid
Total Claims		-20** = <input type="text"/> X <input type="text"/> =	0 <input type="text"/>
Independent Claims		-3** = <input type="text"/> X <input type="text"/> =	0 <input type="text"/>
Multiple Dependent		X <input type="text"/> =	0 <input type="text"/>

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description
1202	50	2202	25	Claims in excess of 20
1201	200	2201	100	Independent claims in excess of 3
1203	360	2203	180	Multiple dependent claim, if not paid
1204	200	2204	100	** Reissue independent claims over original patent
1205	50	2205	25	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) **(\$)** 0

** or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity

Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	120	2251	60	Extension for reply within first month	
1252	450	2252	225	Extension for reply within second month	
1253	1,020	2253	510	Extension for reply within third month	
1254	1,590	2254	795	Extension for reply within fourth month	
1255	2,160	2255	1,080	Extension for reply within fifth month	
1401	500	2401	250	Notice of Appeal	
1402	500	2402	250	Filing a brief in support of an appeal	
1403	1,000	2403	500	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	500	2452	250	Petition to revive - unavoidable	
1453	1,500	2453	750	Petition to revive - unintentional	
1501	1,400	2501	700	Utility issue fee (or reissue)	
1502	800	2502	400	Design issue fee	
1503	1,100	2503	550	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180.00
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	790	2809	395	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR 1.129(b))	
1801	790	2801	395	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify) _____					

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) **(\$)** 180

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being:

- deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop _____, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450
- transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) _____

Date

Signature

Typed or printed name

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)

Raymond Van Dyke

Registration No.
(Attorney/Agent)

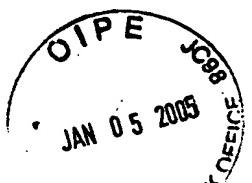
34,746

Telephone (202) 585-8250

Signature

Raymond Van Dyke

Date 1/5/9



Docket No. 031896-073100 (AHP9809 D1)

AP/1PN 1646
#

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:)
COCKETT, et al.) Examiner: Dong JIANG
Serial No. 10/062,879) Group Art Unit: 1646
Filed: January 31, 2002)
For: HUMAN POTASSIUM CHANNEL)
POLYNUCLEOTIDES AND POLYPEPTIDES)
AND USES THEREOF)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. The amount of \$180 is being submitted to comply with the provisions of 37 C.F.R. § 1.97(c) which is to be charged to our Deposit Account No. 19-2380.

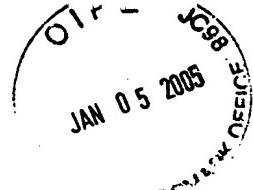
Pursuant to 37 C.F.R. §1.97(e), the undersigned certifies that to his knowledge no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

It is requested that the accompanying PTO-1449 be considered and made of record in the above-identified application. To assist the Examiner, the document is listed on the attached form PTO-1449. It is respectfully requested that an Examiner-initialed copy of this form be returned to the undersigned.

01/06/2005 AADDF01 00000063 192380 10062879

01 FC:1806 180.00 DA

W628157.1



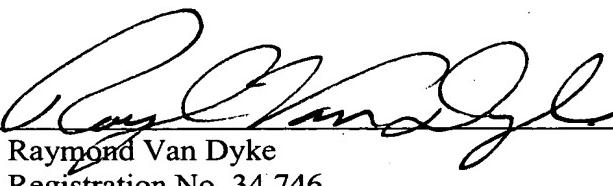
Docket No. 031896-073100 (AHP 98089 D1)

Applicant is also attaching a copy of our Power of Attorney, previously filed in the U.S. Patent and Trademark Office on March 8, 2002. Please note this change in the official records and direct correspondence in this matter to Applicant's representative indicated below.

The Commissioner is hereby authorized to charge any fees connected with this filing which may be required now, or credit any overpayment to Deposit Account No. 19-2380.

Respectfully submitted,

By:



Raymond Van Dyke
Registration No. 34,746

NIXON PEABODY LLP
Suite 900
401 9th Street, N.W.
Washington, DC 20004-2128

Telephone: (202) 585-8000

Date: January 5, 2005



Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				<i>Complete if Known</i>	
Sheet	1	Of	1	Application Number	10/062,879
				Filing Date	January 31, 2002
				First Named Inventor	Mark I. COCKETT et al.
				Art Unit	1644
				Examiner Name	Dong JIANG
				Attorney Docket Number	031896-073100/AHP98089D1

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
					T ⁶

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
		ISBRANDT, DIRK, et al., "Gene Structures and Expression Profiles of Three Human KCND (Kv4) Potassium Channels Mediating A-Type Current I_{TO} and I_{SA} , <i>Genomics</i> 64, December 21, 1999, pages 144-154			

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.